

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 December 2005 (01.12.2005)

PCT

(10) International Publication Number  
**WO 2005/113309 A1**

(51) International Patent Classification<sup>7</sup>: **B60T 17/00**

(21) International Application Number:  
PCT/GB2005/001744

(22) International Filing Date: 6 May 2005 (06.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0411436.9 21 May 2004 (21.05.2004) GB

(71) Applicant (for all designated States except US): **WABCO  
AUTOMOTIVE U.K. LIMITED** [GB/GB]; Beacon  
Works, Texas Street, Morley, Leeds LS27 0HQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MILOMO, Ignitius**  
[GB/GB]; Wabco Automotive U.K. Limited, Beacon

Works Texas Street, Morley, Leeds LS27 0HQ (GB).  
**ELLIS, John** [GB/GB]; Wabco Automotive U.K. Limited,  
Beacon Works Texas Street, Morley, Leeds LS27 0HQ  
(GB).

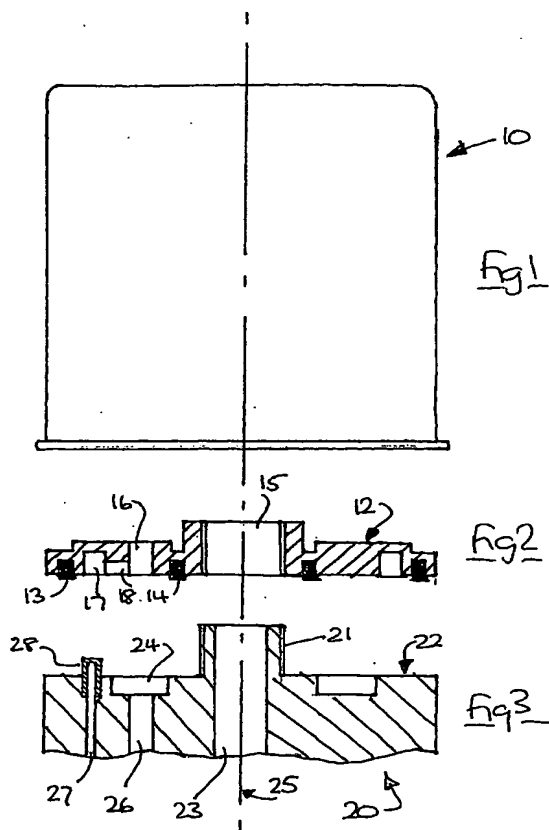
(74) Agents: **GRAY, James** et al.; Withers & Rogers LLP,  
Goldings House, 2 Hays Lane, London SE1 2HW (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,  
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: IMPROVEMENTS IN AIR DRYERS



(57) Abstract: An air dryer for an air braking system of a vehicle, the air dryer comprising a mounting (20), and a removable desiccant canister (10) screw-threaded to said mounting (20) about a spin axis (25) and having a peripheral sealing ring (13, 14), wherein the mounting includes an upstanding protrusion (28) radially spaced from said axis (25) and adapted to engage an annular recess (17) of said canister (10) within said ring, said protrusion (28) being hollow, and the interior of said protrusion (28) being connected to a vent for air under pressure in the system.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*